

## Standard Error of Measurement for Iowa Assessments

Iowa school districts are required to submit information to their public regarding the Standard Error of Measurement (SEM) for the Iowa Assessments. A standard error of measurement is an estimate, or band, of error associated with an individual student's test score. A test score is an estimate of a student's true test performance; however, when the SEM is applied, it indicates that a reasonable chance exists that the student's true score may be slightly higher or slightly lower than what is reported. For the Iowa Assessments, the SEMs are presented in ranges, indicating where the student's true score would likely fall. The range at the proficient level shows plus or minus one SEM from the cut point for being proficient; the range at the advanced level shows minus one SEM from the cut point for being advanced. The values reported in the table below are National Standard Scores (NSS).

	Proficient	Proficient	Proficient	Advanced	Advanced	Advanced
READING	Fall	Midyear	Spring	Fall	Midyear	Spring
Grade 3	163-203	167-211	171-221	>195	>203	>213
Grade 4	178-227	181-234	185-239	>218	>226	>231
Grade 5	190-246	194-251	198-257	>237	>243	>250
Grade 6	202-263	205-266	208-269	>254	>257	>260
Grade 7	215-282	218-287	221-292	>273	>279	>284
Grade 8	227-297	231-303	234-308	>288	>294	>300
Grade 11	255-330	257-334	258-336	>323	>326	>328

	Proficient	Proficient	Proficient	Advanced	Advanced	Advanced
MATHEMATICS	Fall	Midyear	Spring	Fall	Midyear	Spring
Grade 3	165-195	170-200	174-207	>189	>194	>202
Grade 4	178-213	182-219	186-226	>206	>212	>220
Grade 5	190-231	194-238	196-246	>224	>231	>239
Grade 6	203-248	205-255	208-261	>240	>247	>253
Grade 7	213-268	215-284	218-280	>260	>277	>273
Grade 8	225-285	227-290	232-294	>277	>282	>287
Grade 11	252-328	255-330	257-332	>318	>321	>323